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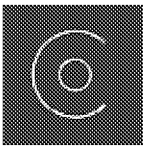
**From:** Sean McGinnis [McGinnis@co2efficient.com]  
**Sent:** 4/12/2019 10:50:38 AM  
**To:** Dunlap, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=591eb15a268249dda0c05a7451f765c3-Dunlap, Dav]  
**Subject:** Nice seeing you / New PFAS study  
**Attachments:** MWRA PFAS Study Michigan Landfills.pdf; MWRA PFAS Study Summary Michigan Landfills.pdf

David,

It was nice catching up at ECOS earlier this week. Based on our conversation regarding wastewater and biosolids, as well as questions raised during the PFAS session about landfills, I thought you would be interested in the attached recently completed study in case you have not seen it. Below is an overview of the focus and scope.

This report summarizes the results of a statewide study completed on behalf of the Michigan Waste & Recycling Association (MWRA) to determine levels of PFOA and PFOS in the leachate of those landfills participating in the study, and to estimate the leachate's relative contribution to the total amount found in wastewater influent at water resource recovery facilities (WRRFs) (aka POTWs or publicly owned treatment works, or sewage or wastewater treatment plants). The study involved testing leachate at 32 active municipal solid waste landfills (Type II landfills) located throughout the state.

Best regards,  
Sean



**Sean McGinnis**

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